

Northwest Wisconsin Occupation Projections, 2005-2007
Detailed Occupational Trends

SOC Code	Occupational Title	Estimated Employment ⁽¹⁾				Annual Openings			Typical Education/Training Path ⁽⁴⁾	Estimated Salary and Wages		
		2005	2007	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Avg Ann Salary ⁽⁵⁾	Entry Level Wage ⁽⁶⁾	Experienced Wage ⁽⁷⁾
00-0000	Total, All Occupations	70,170	71,290	1,120	1.60%	560	1,820	2,380		\$30,611	\$7.77	\$18.19
11-0000	Management Occupations	2,420	2,480	60	2.48%	30	40	70		\$63,110	\$11.97	\$39.53
11-1011	Chief Executives	110	110	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$101,091	\$28.97	\$58.42
11-1021	General and Operations Managers	670	690	20	2.99%	10	10	20	Bachelor's or higher degree, plus work exp	\$78,418	\$18.46	\$47.32
11-1031	Legislators	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$17,684	\$5.89	\$9.81
11-2011	Advertising and Promotions Managers	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$67,537	\$15.34	\$41.04
11-2021	Marketing Managers	20	20	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$79,313	\$21.06	\$46.67
11-2022	Sales Managers	80	90	10	12.50%	10	<5	10	Bachelor's or higher degree, plus work exp	\$94,363	\$21.27	\$57.42
11-2031	Public Relations Managers	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
11-3011	Administrative Services Managers	50	50	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$42,973	\$15.97	\$23.00
11-3021	Computer and Information Systems Managers	60	60	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$68,376	\$23.20	\$37.71
11-3031	Financial Managers	110	110	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$96,361	\$24.62	\$57.18
11-3041	Compensation and Benefits Managers	10	10	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$66,701	\$24.81	\$35.70
11-3042	Training and Development Managers	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
11-3049	Human Resources Managers, All Other	10	20	10	100.00%	10	<5	10	Bachelor's or higher degree, plus work exp	\$80,705	\$26.34	\$45.03
11-3051	Industrial Production Managers	110	110	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$77,548	\$26.66	\$42.59
11-3061	Purchasing Managers	20	20	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$75,963	\$20.69	\$44.43
11-3071	Transportation, Storage, and Distribution Managers	40	40	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$70,014	\$17.96	\$41.51
11-9021	Construction Managers	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$83,377	\$28.51	\$45.87
11-9031	Education Administrators, Preschool and Child Care Center/Program	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
11-9032	Education Administrators, Elementary and Secondary School	100	100	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$74,247		
11-9033	Education Administrators, Postsecondary	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
11-9039	Education Administrators, All Other	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
11-9041	Engineering Managers	70	70	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$90,989	\$30.49	\$50.37
11-9051	Food Service Managers	100	100	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$41,058	\$14.10	\$22.56
11-9061	Funeral Directors	30	30	0	0.00%	<5	<5	<5	Associate degree	\$63,225	\$19.32	\$35.94
11-9071	Gaming Managers	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
11-9081	Lodging Managers	30	40	10	33.33%	10	<5	10	Work experience in a related occupation	\$40,992	\$15.88	\$21.62
11-9111	Medical and Health Services Managers	100	100	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$64,884	\$22.02	\$35.78
11-9121	Natural Sciences Managers	10	10	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$67,389	\$25.62	\$35.79
11-9131	Postmasters and Mail Superintendents	20	20	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$52,247	\$21.19	\$27.08
11-9141	Property, Real Estate, and Community Association Managers	10	20	10	100.00%	10	<5	10	Bachelor's degree	\$41,648	\$14.44	\$22.82
11-9151	Social and Community Service Managers	70	80	10	14.29%	10	<5	10	Bachelor's degree	\$53,845	\$17.57	\$30.05
11-9199	Managers, All Other	*	*	*	*	10	<5	10	Work experience in a related occupation	\$68,070	\$24.18	\$37.00
13-0000	Business and Financial Operations Occupations	1,890	1,940	50	2.65%	30	30	60		\$44,726	\$12.29	\$26.11
13-1021	Purchasing Agents and Buyers, Farm Products	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
13-1022	Wholesale and Retail Buyers, Except Farm Products	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$41,428	\$10.75	\$24.50
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	150	160	10	6.67%	10	<5	10	Bachelor's degree	\$43,865	\$14.85	\$24.21
13-1031	Claims Adjusters, Examiners, and Investigators	*	*	*	*	10	<5	10	Long-term on-the-job training			
13-1032	Insurance Appraisers, Auto Damage	0	0	0	NA	<5	<5	<5	Long-term on-the-job training			
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	50	50	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$36,203	\$8.57	\$21.82
13-1051	Cost Estimators	120	120	0	0.00%	<5	<5	<5	Bachelor's degree	\$45,582	\$13.14	\$26.30
13-1061	Emergency Management Specialists	10	10	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$42,808	\$15.63	\$23.06
13-1071	Employment, Recruitment, and Placement Specialists	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$37,050	\$12.14	\$20.65
13-1072	Compensation, Benefits, and Job Analysis Specialists	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$41,111	\$14.74	\$22.28

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13-1073	Training and Development Specialists	60	70	10	16.67%	10	<5	10	Bachelor's degree	\$39,818	\$12.07	\$22.68
13-1079	Human Resources, Training, and Labor Relations Specialists, All Other	110	120	10	9.09%	10	<5	10	Bachelor's degree	\$21,491	\$6.15	\$12.42
13-1081	Logisticians	*	*	*	*	<5	<5	<5	Bachelor's degree			
13-1111	Management Analysts	80	80	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$41,356	\$12.58	\$23.53
13-1121	Meeting and Convention Planners	*	*	*	*	<5	<5	<5	Bachelor's degree			
13-1199	Business Operations Specialists, All Other	370	390	20	5.41%	10	10	20	Bachelor's degree	\$55,087	\$12.18	\$33.63
13-2011	Accountants and Auditors	400	410	10	2.50%	10	10	20	Bachelor's degree	\$49,036	\$17.35	\$26.69
13-2021	Appraisers and Assessors of Real Estate	40	40	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$55,317	\$13.18	\$33.30
13-2031	Budget Analysts	*	*	*	*	<5	<5	<5	Bachelor's degree			
13-2041	Credit Analysts	*	*	*	*	<5	<5	<5	Bachelor's degree			
13-2051	Financial Analysts	*	*	*	*	<5	<5	<5	Bachelor's degree			
13-2052	Personal Financial Advisors	*	*	*	*	<5	<5	<5	Bachelor's degree			
13-2053	Insurance Underwriters	*	*	*	*	<5	<5	<5	Bachelor's degree			
13-2061	Financial Examiners	*	*	*	*	<5	<5	<5	Bachelor's degree			
13-2071	Loan Counselors	*	*	*	*	<5	<5	<5	Bachelor's degree			
13-2072	Loan Officers	140	140	0	0.00%	<5	<5	<5	Bachelor's degree	\$42,506	\$15.27	\$23.02
13-2081	Tax Examiners, Collectors, and Revenue Agents	20	20	0	0.00%	<5	<5	<5	Bachelor's degree	\$35,665	\$13.77	\$18.84
13-2082	Tax Preparers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
13-2099	Financial Specialists, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree			
15-0000	Computer and Mathematical Occupations	570	580	10	1.75%	10	10	20		\$45,282	\$14.41	\$25.45
15-1011	Computer and Information Scientists, Research	0	0	0	NA	<5	<5	<5	Doctoral degree			
15-1021	Computer Programmers	*	*	*	*	<5	<5	<5	Bachelor's degree	\$44,713	\$16.52	\$23.98
15-1031	Computer Software Engineers, Applications	50	60	10	20.00%	10	<5	10	Bachelor's degree	\$81,696	\$22.74	\$47.55
15-1032	Computer Software Engineers, Systems Software	*	*	*	*	10	<5	10	Bachelor's degree			
15-1041	Computer Support Specialists	130	140	10	7.69%	10	<5	10	Associate degree	\$35,342	\$11.52	\$19.73
15-1051	Computer Systems Analysts	140	150	10	7.14%	10	<5	10	Bachelor's degree	\$51,891	\$17.87	\$28.49
15-1061	Database Administrators	*	*	*	*	<5	<5	<5	Bachelor's degree			
15-1071	Network and Computer Systems Administrators	70	70	0	0.00%	<5	<5	<5	Bachelor's degree	\$44,599	\$16.61	\$23.86
15-1081	Network Systems and Data Communications Analysts	40	50	10	25.00%	10	<5	10	Bachelor's degree	\$44,984	\$16.96	\$23.96
15-1099	Computer Specialists, All Other	*	*	*	*	<5	<5	<5	Associate degree			
15-2011	Actuaries	0	0	0	NA	<5	<5	<5	Bachelor's or higher degree, plus work exp			
15-2031	Operations Research Analysts	0	0	0	NA	<5	<5	<5	Master's degree			
15-2041	Statisticians	0	0	0	NA	<5	<5	<5	Master's degree			
17-0000	Architecture and Engineering Occupations	870	880	10	1.15%	10	20	30		\$49,492	\$15.60	\$27.89
17-1011	Architects, Except Landscape and Naval	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$54,619	\$21.06	\$28.86
17-1012	Landscape Architects	*	*	*	*	<5	<5	<5	Bachelor's degree			
17-1021	Cartographers and Photogrammetrists	*	*	*	*	<5	<5	<5	Bachelor's degree			
17-1022	Surveyors	20	20	0	0.00%	<5	<5	<5	Bachelor's degree	\$44,637	\$17.23	\$23.57
17-2021	Agricultural Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree			
17-2041	Chemical Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree			
17-2051	Civil Engineers	90	90	0	0.00%	<5	<5	<5	Bachelor's degree	\$54,997	\$21.58	\$28.87
17-2061	Computer Hardware Engineers	0	0	0	NA	<5	<5	<5	Bachelor's degree			
17-2071	Electrical Engineers	70	70	0	0.00%	<5	<5	<5	Bachelor's degree	\$64,575	\$22.49	\$35.32
17-2072	Electronics Engineers, Except Computer	10	10	0	0.00%	<5	<5	<5	Bachelor's degree			
17-2081	Environmental Engineers	20	20	0	0.00%	<5	<5	<5	Bachelor's degree	\$71,644	\$23.76	\$39.79
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	*	*	*	*	<5	<5	<5	Bachelor's degree			
17-2112	Industrial Engineers	90	90	0	0.00%	<5	<5	<5	Bachelor's degree	\$59,229	\$21.51	\$31.96
17-2121	Marine Engineers and Naval Architects	0	0	0	NA	<5	<5	<5	Bachelor's degree			
17-2131	Materials Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree			
17-2141	Mechanical Engineers	130	130	0	0.00%	<5	<5	<5	Bachelor's degree	\$61,540	\$22.35	\$33.20
17-2161	Nuclear Engineers	0	0	0	NA	<5	<5	<5	Bachelor's degree			

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17-2171	Petroleum Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree			
17-2199	Engineers, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	\$68,024	\$19.17	\$39.47
17-3011	Architectural and Civil Drafters	40	40	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$36,283	\$13.09	\$19.62
17-3012	Electrical and Electronics Drafters	10	10	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$50,972	\$21.30	\$26.11
17-3013	Mechanical Drafters	70	70	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$36,621	\$13.44	\$19.69
17-3019	Drafters, All Other	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
17-3022	Civil Engineering Technicians	50	50	0	0.00%	<5	<5	<5	Associate degree	\$39,931	\$15.10	\$21.24
17-3023	Electrical and Electronic Engineering Technicians	*	*	*	*	<5	<5	<5	Associate degree			
17-3024	Electro-Mechanical Technicians	*	*	*	*	<5	<5	<5	Associate degree			
17-3025	Environmental Engineering Technicians	*	*	*	*	<5	<5	<5	Associate degree	\$37,418	\$14.62	\$19.67
17-3026	Industrial Engineering Technicians	50	50	0	0.00%	<5	<5	<5	Associate degree	\$40,244	\$17.87	\$20.09
17-3027	Mechanical Engineering Technicians	20	20	0	0.00%	<5	<5	<5	Associate degree	\$40,613	\$15.48	\$21.55
17-3029	Engineering Technicians, Except Drafters, All Other	20	20	0	0.00%	<5	<5	<5	Associate degree	\$42,847	\$15.04	\$23.38
17-3031	Surveying and Mapping Technicians	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$28,025	\$10.92	\$14.75
19-0000	Life, Physical, and Social Science Occupations	530	550	20	3.77%	10	10	20		\$43,339	\$14.16	\$24.18
19-1011	Animal Scientists	0	0	0	NA	<5	<5	<5	Bachelor's degree			
19-1012	Food Scientists and Technologists	*	*	*	*	<5	<5	<5	Bachelor's degree			
19-1013	Soil and Plant Scientists	10	10	0	0.00%	<5	<5	<5	Bachelor's degree	\$60,057	\$23.10	\$31.76
19-1021	Biochemists and Biophysicists	10	10	0	0.00%	<5	<5	<5	Doctoral degree			
19-1022	Microbiologists	10	10	0	0.00%	<5	<5	<5	Doctoral degree			
19-1023	Zoologists and Wildlife Biologists	10	10	0	0.00%	<5	<5	<5	Doctoral degree	\$50,373	\$18.48	\$27.09
19-1029	Biological Scientists, All Other	10	10	0	0.00%	<5	<5	<5	Doctoral degree	\$55,643	\$18.21	\$31.02
19-1031	Conservation Scientists	20	20	0	0.00%	<5	<5	<5	Bachelor's degree	\$50,418	\$18.38	\$27.17
19-1032	Foresters	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$45,505	\$18.99	\$23.32
19-1041	Epidemiologists	0	0	0	NA	<5	<5	<5	Master's degree			
19-1042	Medical Scientists, Except Epidemiologists	*	*	*	*	<5	<5	<5	Doctoral degree			
19-2011	Astronomers	*	*	*	*	<5	<5	<5	Doctoral degree			
19-2012	Physicists	10	10	0	0.00%	<5	<5	<5	Doctoral degree			
19-2021	Atmospheric and Space Scientists	10	10	0	0.00%	<5	<5	<5	Bachelor's degree			
19-2031	Chemists	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$50,747	\$21.03	\$26.08
19-2032	Materials Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree			
19-2041	Environmental Scientists and Specialists, Including Health	20	30	10	50.00%	10	<5	10	Master's degree	\$48,172	\$17.52	\$25.98
19-2042	Geoscientists, Except Hydrologists and Geographers	*	*	*	*	<5	<5	<5	Master's degree			
19-2043	Hydrologists	*	*	*	*	<5	<5	<5	Master's degree			
19-2099	Physical Scientists, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree			
19-3011	Economists	*	*	*	*	<5	<5	<5	Master's degree			
19-3021	Market Research Analysts	50	60	10	20.00%	10	<5	10	Master's degree	\$44,511	\$13.11	\$25.54
19-3022	Survey Researchers	0	0	0	NA	<5	<5	<5	Master's degree			
19-3031	Clinical, Counseling, and School Psychologists	60	60	0	0.00%	<5	<5	<5	Doctoral degree	\$50,738	\$18.90	\$27.14
19-3039	Psychologists, All Other	*	*	*	*	<5	<5	<5	Master's degree			
19-3041	Sociologists	*	*	*	*	<5	<5	<5	Master's degree			
19-3051	Urban and Regional Planners	*	*	*	*	<5	<5	<5	Master's degree	\$35,686	\$15.11	\$18.18
19-3093	Historians	*	*	*	*	<5	<5	<5	Master's degree			
19-3099	Social Scientists and Related Workers, All Other	*	*	*	*	<5	<5	<5	Master's degree			
19-4011	Agricultural and Food Science Technicians	*	*	*	*	<5	<5	<5	Associate degree			
19-4021	Biological Technicians	20	20	0	0.00%	<5	<5	<5	Associate degree	\$28,972	\$12.03	\$14.88
19-4031	Chemical Technicians	*	*	*	*	<5	<5	<5	Associate degree			
19-4041	Geological and Petroleum Technicians	*	*	*	*	<5	<5	<5	Associate degree			
19-4061	Social Science Research Assistants	10	10	0	0.00%	<5	<5	<5	Associate degree			
19-4091	Environmental Science and Protection Technicians, Including Health	10	10	0	0.00%	<5	<5	<5	Associate degree	\$34,334	\$9.23	\$20.14
19-4092	Forensic Science Technicians	*	*	*	*	<5	<5	<5	Associate degree			

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19-4093	Forest and Conservation Technicians	10	10	0	0.00%	<5	<5	<5	Associate degree	\$35,313	\$12.89	\$19.02
19-4099	Life, Physical, and Social Science Technicians, All Other	40	40	0	0.00%	<5	<5	<5	Associate degree	\$30,710	\$12.32	\$15.99
21-0000	Community and Social Services Occupations	1,350	1,390	40	2.96%	20	20	40		\$36,751	\$12.28	\$20.36
21-1011	Substance Abuse and Behavioral Disorder Counselors	30	30	0	0.00%	<5	<5	<5	Master's degree	\$31,129	\$8.68	\$18.11
21-1012	Educational, Vocational, and School Counselors	110	110	0	0.00%	<5	<5	<5	Master's degree	\$44,150	\$16.21	\$23.74
21-1013	Marriage and Family Therapists	20	20	0	0.00%	<5	<5	<5	Master's degree			
21-1014	Mental Health Counselors	30	30	0	0.00%	<5	<5	<5	Master's degree	\$37,576	\$12.64	\$20.78
21-1015	Rehabilitation Counselors	70	70	0	0.00%	<5	<5	<5	Master's degree	\$34,937	\$11.90	\$19.25
21-1019	Counselors, All Other	30	30	0	0.00%	<5	<5	<5	Master's degree	\$35,987	\$15.00	\$18.45
21-1021	Child, Family, and School Social Workers	190	190	0	0.00%	<5	<5	<5	Master's degree	\$40,551	\$14.43	\$22.03
21-1022	Medical and Public Health Social Workers	70	70	0	0.00%	<5	<5	<5	Master's degree	\$41,488	\$16.48	\$21.68
21-1023	Mental Health and Substance Abuse Social Workers	50	50	0	0.00%	<5	<5	<5	Master's degree	\$37,723	\$12.75	\$20.83
21-1029	Social Workers, All Other	*	*	*	*	<5	<5	<5	Master's degree			
21-1091	Health Educators	20	20	0	0.00%	<5	<5	<5	Master's degree	\$31,854	\$10.38	\$17.78
21-1092	Probation Officers and Correctional Treatment Specialists	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$41,304	\$17.73	\$20.92
21-1093	Social and Human Service Assistants	260	270	10	3.85%	10	<5	10	Moderate-term on-the-job training	\$30,342	\$10.64	\$16.56
21-1099	Community and Social Service Specialists, All Other	80	90	10	12.50%	10	<5	10	Bachelor's degree	\$29,985	\$9.28	\$16.98
21-2011	Clergy	*	*	*	*	<5	10	10	Master's degree			
21-2021	Directors, Religious Activities and Education	*	*	*	*	<5	<5	<5	Bachelor's degree			
21-2099	Religious Workers, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree			
23-0000	Legal Occupations	280	290	10	3.57%	10	<5	10		\$56,842	\$14.16	\$33.91
23-1011	Lawyers	150	160	10	6.67%	10	<5	10	First professional degree	\$75,696	\$25.63	\$41.77
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
23-1022	Arbitrators, Mediators, and Conciliators	10	10	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp			
23-1023	Judges, Magistrate Judges, and Magistrates	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
23-2011	Paralegals and Legal Assistants	60	60	0	0.00%	<5	<5	<5	Associate degree	\$31,659	\$14.23	\$15.72
23-2091	Court Reporters	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
23-2092	Law Clerks	*	*	*	*	<5	<5	<5	Bachelor's degree			
23-2093	Title Examiners, Abstractors, and Searchers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
23-2099	Legal Support Workers, All Other	20	20	0	0.00%	<5	<5	<5	Bachelor's degree	\$40,752	\$14.74	\$22.02
25-0000	Education, Training, and Library Occupations	4,210	4,340	130	3.09%	70	80	150		\$38,745	\$11.31	\$22.29
25-1011	Business Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1021	Computer Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1022	Mathematical Science Teachers, Postsecondary	*	*	*	*	10	<5	10	Doctoral degree			
25-1031	Architecture Teachers, Postsecondary	0	0	0	NA	<5	<5	<5	Doctoral degree			
25-1032	Engineering Teachers, Postsecondary	10	10	0	0.00%	<5	<5	<5	Doctoral degree			
25-1041	Agricultural Sciences Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1042	Biological Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1043	Forestry and Conservation Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1052	Chemistry Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1053	Environmental Science Teachers, Postsecondary	0	0	0	NA	<5	<5	<5	Doctoral degree			
25-1054	Physics Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1061	Anthropology and Archeology Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1063	Economics Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1064	Geography Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1065	Political Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1066	Psychology Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			

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25-1067	Sociology Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1069	Social Sciences Teachers, Postsecondary, All Other	10	10	0	0.00%	<5	<5	<5	Doctoral degree			
25-1071	Health Specialties Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Master's degree			
25-1072	Nursing Instructors and Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1081	Education Teachers, Postsecondary	*	*	*	*	10	<5	10	Doctoral degree			
25-1082	Library Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
	Criminal Justice and Law Enforcement Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1111	Law Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1112	Social Work Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1113	Art, Drama, and Music Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Master's degree			
25-1121	Communications Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1122	English Language and Literature Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1123	Foreign Language and Literature Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1124	History Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1125	Philosophy and Religion Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1126	Graduate Teaching Assistants	*	*	*	*	<5	<5	<5	Bachelor's degree			
25-1191	Home Economics Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1192	Recreation and Fitness Studies Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Master's degree			
25-1193	Vocational Education Teachers, Postsecondary	*	*	*	*	10	<5	10	Work experience in a related occupation			
25-1194	Postsecondary Teachers, All Other	*	*	*	*	<5	<5	<5	Doctoral degree			
25-2011	Preschool Teachers, Except Special Education	*	*	*	*	10	<5	10	Bachelor's degree	\$33,610	\$10.13	\$19.17
25-2012	Kindergarten Teachers, Except Special Education	80	80	0	0.00%	<5	<5	<5	Bachelor's degree	\$39,325		
25-2021	Elementary School Teachers, Except Special Education	710	730	20	2.82%	10	10	20	Bachelor's degree	\$43,536		
	Middle School Teachers, Except Special and Vocational Education	370	380	10	2.70%	10	10	20	Bachelor's degree	\$40,274		
25-2022	Vocational Education Teachers, Middle School	*	*	*	*	<5	<5	<5	Bachelor's degree	\$39,014		
25-2023	Secondary School Teachers, Except Special and Vocational Education	600	610	10	1.67%	10	20	30	Bachelor's degree	\$41,595		
25-2031	Vocational Education Teachers, Secondary School	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$42,838		
25-2032	Special Education Teachers, Preschool, Kindergarten, and Elementary School	90	90	0	0.00%	<5	<5	<5	Bachelor's degree	\$42,322		
25-2041	Special Education Teachers, Middle School	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$37,329		
25-2042	Special Education Teachers, Secondary School	70	70	0	0.00%	<5	<5	<5	Bachelor's degree	\$44,877		
25-2043	Adult Literacy, Remedial Education, and GED Teachers and Instructors	30	40	10	33.33%	10	<5	10	Bachelor's degree	\$39,724	\$13.74	\$21.77
25-3011	Self-Enrichment Education Teachers	90	90	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$36,596	\$11.08	\$20.85
25-3021	Teachers and Instructors, All Other	250	260	10	4.00%	10	<5	10	Bachelor's degree	\$29,646	\$10.00	\$16.38
25-3099	Archivists	*	*	*	*	<5	<5	<5	Master's degree			
25-4011	Curators	10	10	0	0.00%	<5	<5	<5	Master's degree	\$41,786	\$13.44	\$23.41
25-4012	Museum Technicians and Conservators	10	10	0	0.00%	<5	<5	<5	Master's degree			
25-4013	Librarians	90	90	0	0.00%	<5	<5	<5	Master's degree	\$43,022	\$15.33	\$23.36
25-4021	Library Technicians	110	110	0	0.00%	<5	10	10	Postsecondary vocational training	\$21,233	\$7.93	\$11.35
25-4031	Audio-Visual Collections Specialists	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
25-9011	Farm and Home Management Advisors	*	*	*	*	<5	<5	<5	Bachelor's degree			
25-9021	Instructional Coordinators	30	40	10	33.33%	10	<5	10	Master's degree	\$42,423	\$9.57	\$25.81
25-9031	Teacher Assistants	620	630	10	1.61%	10	10	20	Associate degree	\$20,161		
25-9041	Education, Training, and Library Workers, All Other	50	60	10	20.00%	10	<5	10	Bachelor's degree			
25-9099	Arts, Design, Entertainment, Sports, and Media Occupations	710	720	10	1.41%	10	10	20		\$29,216	\$7.98	\$17.08
27-0000	Art Directors	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
27-1011												

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27-1012	Craft Artists	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-1014	Multi-Media Artists and Animators	*	*	*	*	<5	<5	<5	Bachelor's degree			
27-1021	Commercial and Industrial Designers	*	*	*	*	<5	<5	<5	Bachelor's degree	\$58,439	\$19.41	\$32.44
27-1022	Fashion Designers	*	*	*	*	<5	<5	<5	Bachelor's degree			
27-1023	Floral Designers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
27-1024	Graphic Designers	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$26,332	\$8.94	\$14.52
27-1025	Interior Designers	*	*	*	*	<5	<5	<5	Bachelor's degree			
27-1026	Merchandise Displayers and Window Trimmers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
27-1027	Set and Exhibit Designers	*	*	*	*	<5	<5	<5	Bachelor's degree			
27-1029	Designers, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree			
27-2011	Actors	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-2012	Producers and Directors	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
27-2021	Athletes and Sports Competitors	10	10	0	0.00%	<5	<5	<5	Long-term on-the-job training			
27-2022	Coaches and Scouts	80	80	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$19,515		
27-2023	Umpires, Referees, and Other Sports Officials	*	*	*	*	10	<5	10	Long-term on-the-job training			
27-2031	Dancers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-2032	Choreographers	10	10	0	0.00%	<5	<5	<5	Work experience in a related occupation			
27-2041	Music Directors and Composers	20	20	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp			
27-2042	Musicians and Singers	60	60	0	0.00%	<5	<5	<5	Long-term on-the-job training			
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-3011	Radio and Television Announcers	20	20	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$21,867	\$7.25	\$12.14
27-3012	Public Address System and Other Announcers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-3021	Broadcast News Analysts	0	0	0	NA	<5	<5	<5	Bachelor's or higher degree, plus work exp			
27-3022	Reporters and Correspondents	30	30	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$23,163	\$10.05	\$11.68
27-3031	Public Relations Specialists	80	80	0	0.00%	<5	<5	<5	Bachelor's degree	\$33,403	\$11.54	\$18.32
27-3041	Editors	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$50,653	\$13.06	\$30.00
27-3042	Technical Writers	*	*	*	*	<5	<5	<5	Bachelor's degree			
27-3043	Writers and Authors	*	*	*	*	<5	<5	<5	Bachelor's degree	\$23,917	\$10.07	\$12.21
27-3091	Interpreters and Translators	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-3099	Media and Communication Workers, All Other	0	0	0	NA	<5	<5	<5	Long-term on-the-job training			
27-4011	Audio and Video Equipment Technicians	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-4012	Broadcast Technicians	20	20	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$21,499	\$6.87	\$12.07
27-4021	Photographers	*	*	*	*	<5	<5	<5	Bachelor's degree			
27-4031	Camera Operators, Television, Video, and Motion Picture	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
27-4032	Film and Video Editors	0	0	0	NA	<5	<5	<5	Bachelor's degree			
27-4099	Media and Communication Equipment Workers, All Other	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
29-0000	Healthcare Practitioners and Technical Occupations	3,020	3,120	100	3.31%	50	50	100		\$50,843	\$11.81	\$30.76
29-1011	Chiropractors	20	20	0	0.00%	<5	<5	<5	First professional degree	\$142,294	\$33.36	\$85.94
29-1021	Dentists, General	50	50	0	0.00%	<5	<5	<5	First professional degree	\$138,048	\$48.81	\$75.15
29-1022	Oral and Maxillofacial Surgeons	*	*	*	*	<5	<5	<5	First professional degree			
29-1023	Orthodontists	0	0	0	NA	<5	<5	<5	First professional degree			
29-1029	Dentists, All Other Specialists	*	*	*	*	<5	<5	<5	First professional degree			
29-1031	Dietitians and Nutritionists	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$43,623	\$18.29	\$22.31
29-1041	Optometrists	*	*	*	*	<5	<5	<5	First professional degree			
29-1051	Pharmacists	80	90	10	12.50%	10	<5	10	First professional degree	\$89,446	\$33.11	\$47.95
29-1061	Anesthesiologists	*	*	*	*	<5	<5	<5	First professional degree			
29-1062	Family and General Practitioners	*	*	*	*	<5	<5	<5	First professional degree	\$138,870	\$60.21	\$70.04
29-1063	Internists, General	*	*	*	*	10	<5	10	First professional degree			
29-1064	Obstetricians and Gynecologists	0	0	0	NA	<5	<5	<5	First professional degree			

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29-1065	Pediatricians, General	*	*	*	*	<5	<5	<5	First professional degree			
29-1066	Psychiatrists	10	10	0	0.00%	<5	<5	<5	First professional degree	\$120,131	\$32.59	\$70.34
29-1067	Surgeons	*	*	*	*	<5	<5	<5	First professional degree			
29-1069	Physicians and Surgeons, All Other	*	*	*	*	10	<5	10	First professional degree			
29-1071	Physician Assistants	*	*	*	*	<5	<5	<5	Bachelor's degree			
29-1081	Podiatrists	*	*	*	*	<5	<5	<5	First professional degree			
29-1111	Registered Nurses	1,070	1,120	50	4.67%	30	20	50	Bachelor's degree	\$49,542	\$19.04	\$26.21
29-1121	Audiologists	*	*	*	*	<5	<5	<5	Doctoral degree			
29-1122	Occupational Therapists	*	*	*	*	<5	<5	<5	Master's degree	\$52,527	\$21.24	\$27.26
29-1123	Physical Therapists	80	80	0	0.00%	<5	<5	<5	Master's degree	\$62,278	\$20.29	\$34.77
29-1124	Radiation Therapists	*	*	*	*	<5	<5	<5	Associate degree			
29-1125	Recreational Therapists	20	20	0	0.00%	<5	<5	<5	Bachelor's degree	\$27,678	\$9.33	\$15.29
29-1126	Respiratory Therapists	*	*	*	*	<5	<5	<5	Associate degree			
29-1127	Speech-Language Pathologists	60	60	0	0.00%	<5	<5	<5	Master's degree	\$44,479	\$15.60	\$24.28
29-1129	Therapists, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree			
29-1131	Veterinarians	*	*	*	*	<5	<5	<5	First professional degree	\$63,667	\$17.49	\$37.17
29-1199	Health Diagnosing and Treating Practitioners, All Other	10	10	0	0.00%	<5	<5	<5	First professional degree	\$55,806	\$21.81	\$29.34
29-2011	Medical and Clinical Laboratory Technologists	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$40,549	\$13.59	\$22.45
29-2012	Medical and Clinical Laboratory Technicians	30	30	0	0.00%	<5	<5	<5	Associate degree	\$39,757	\$13.81	\$21.77
29-2021	Dental Hygienists	*	*	*	*	<5	<5	<5	Associate degree	\$47,609	\$19.39	\$24.64
29-2031	Cardiovascular Technologists and Technicians	10	10	0	0.00%	<5	<5	<5	Associate degree			
29-2032	Diagnostic Medical Sonographers	*	*	*	*	<5	<5	<5	Associate degree			
29-2033	Nuclear Medicine Technologists	*	*	*	*	<5	<5	<5	Associate degree			
29-2034	Radiologic Technologists and Technicians	70	70	0	0.00%	<5	<5	<5	Associate degree	\$44,973	\$17.48	\$23.69
29-2041	Emergency Medical Technicians and Paramedics	300	310	10	3.33%	10	<5	10	Postsecondary vocational training	\$23,281	\$7.58	\$13.00
29-2051	Dietetic Technicians	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$19,665	\$7.09	\$10.64
29-2052	Pharmacy Technicians	110	110	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$22,854	\$8.43	\$12.27
29-2053	Psychiatric Technicians	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
29-2054	Respiratory Therapy Technicians	*	*	*	*	<5	<5	<5	Associate degree			
29-2055	Surgical Technologists	30	40	10	33.33%	10	<5	10	Postsecondary vocational training	\$35,722	\$13.86	\$18.83
29-2056	Veterinary Technologists and Technicians	*	*	*	*	<5	<5	<5	Associate degree			
29-2061	Licensed Practical and Licensed Vocational Nurses	320	320	0	0.00%	<5	10	10	Postsecondary vocational training	\$33,972	\$14.27	\$17.36
29-2071	Medical Records and Health Information Technicians	70	70	0	0.00%	<5	<5	<5	Associate degree	\$26,840	\$9.55	\$14.58
29-2081	Opticians, Dispensing	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
29-2099	Health Technologists and Technicians, All Other	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
29-9011	Occupational Health and Safety Specialists	10	10	0	0.00%	<5	<5	<5	Bachelor's degree	\$41,147	\$16.19	\$21.58
29-9012	Occupational Health and Safety Technicians	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
29-9091	Athletic Trainers	*	*	*	*	<5	<5	<5	Bachelor's degree			
29-9099	Healthcare Practitioners and Technical Workers, All Other	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
31-0000	Healthcare Support Occupations	2,160	2,210	50	2.31%	30	30	60		\$22,765	\$9.09	\$11.87
31-1011	Home Health Aides	350	370	20	5.71%	10	<5	10	Short-term on-the-job training	\$20,113	\$8.35	\$10.33
31-1012	Nursing Aides, Orderlies, and Attendants	1,280	1,290	10	0.78%	10	20	30	Postsecondary vocational training	\$22,389	\$9.31	\$11.49
31-1013	Psychiatric Aides	10	10	0	0.00%	<5	<5	<5	Short-term on-the-job training			
31-2011	Occupational Therapist Assistants	*	*	*	*	<5	<5	<5	Associate degree			
31-2012	Occupational Therapist Aides	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
31-2021	Physical Therapist Assistants	30	30	0	0.00%	<5	<5	<5	Associate degree	\$34,906	\$14.79	\$17.78
31-2022	Physical Therapist Aides	20	20	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$23,769	\$9.79	\$12.24
31-9011	Massage Therapists	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
31-9091	Dental Assistants	110	120	10	9.09%	10	<5	10	Moderate-term on-the-job training	\$25,151	\$11.19	\$12.54
31-9092	Medical Assistants	110	110	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$26,165	\$10.47	\$13.63
31-9093	Medical Equipment Preparers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
31-9094	Medical Transcriptionists	70	70	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$27,826	\$11.77	\$14.18

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31-9095	Pharmacy Aides	10	20	10	100.00%	10	<5	10	Short-term on-the-job training	\$18,080	\$7.35	\$9.36
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$20,104	\$8.95	\$10.02
31-9099	Healthcare Support Workers, All Other	*	*	*	*	10	<5	10	Short-term on-the-job training	\$24,639	\$7.74	\$13.90
33-0000	Protective Service Occupations	1,890	1,910	20	1.06%	10	60	70		\$30,965	\$7.25	\$18.70
33-1011	First-Line Supervisors/Managers of Correctional Officers	20	20	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$49,382	\$19.41	\$25.90
33-1012	First-Line Supervisors/Managers of Police and Detectives	60	60	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$49,003	\$19.27	\$25.71
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	10	10	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$55,070	\$16.56	\$31.43
33-2011	Fire Fighters	390	400	10	2.56%	10	10	20	Long-term on-the-job training	\$24,217	\$5.89	\$14.52
33-2021	Fire Inspectors and Investigators	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
33-2022	Forest Fire Inspectors and Prevention Specialists	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
33-3011	Bailiffs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
33-3012	Correctional Officers and Jailers	220	220	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$34,952	\$14.20	\$18.11
33-3021	Detectives and Criminal Investigators	70	80	10	14.29%	10	<5	10	Work experience in a related occupation	\$44,112	\$19.00	\$22.31
33-3031	Fish and Game Wardens	*	*	*	*	<5	<5	<5	Associate degree	\$45,309	\$17.47	\$23.94
33-3041	Parking Enforcement Workers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
33-3051	Police and Sheriff's Patrol Officers	560	560	0	0.00%	<5	10	10	Long-term on-the-job training	\$38,014	\$14.56	\$20.13
33-3052	Transit and Railroad Police	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
33-9011	Animal Control Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
33-9021	Private Detectives and Investigators	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
33-9031	Gaming Surveillance Officers and Gaming Investigators	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$28,172	\$7.58	\$16.53
33-9032	Security Guards	240	240	0	0.00%	<5	10	10	Short-term on-the-job training	\$19,528	\$7.38	\$10.39
33-9091	Crossing Guards	80	80	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$18,582	\$6.52	\$10.14
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	*	*	*	*	<5	10	10	Short-term on-the-job training	\$16,881	\$5.96	\$9.20
33-9099	Protective Service Workers, All Other	50	50	0	0.00%	<5	10	10	Short-term on-the-job training	\$33,176	\$8.96	\$19.45
35-0000	Food Preparation and Serving Related Occupations	7,200	7,340	140	1.94%	70	350	420		\$17,767	\$5.91	\$9.86
35-1011	Chefs and Head Cooks	110	110	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$33,741	\$10.08	\$19.29
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	440	460	20	4.55%	10	10	20	Work experience in a related occupation	\$25,686	\$8.73	\$14.16
35-2011	Cooks, Fast Food	260	270	10	3.85%	10	10	20	Short-term on-the-job training	\$14,748	\$5.84	\$7.72
35-2012	Cooks, Institution and Cafeteria	240	240	0	0.00%	<5	10	10	Long-term on-the-job training	\$20,585	\$8.05	\$10.82
35-2013	Cooks, Private Household	0	0	0	NA	<5	<5	<5	Long-term on-the-job training			
35-2014	Cooks, Restaurant	430	450	20	4.65%	10	20	30	Long-term on-the-job training	\$22,955	\$8.85	\$12.13
35-2015	Cooks, Short Order	190	190	0	0.00%	<5	10	10	Short-term on-the-job training	\$20,117	\$6.90	\$11.06
35-2019	Cooks, All Other	0	0	0	NA	<5	<5	<5	Long-term on-the-job training			
35-2021	Food Preparation Workers	470	470	0	0.00%	<5	20	20	Short-term on-the-job training	\$17,531	\$6.56	\$9.36
35-3011	Bartenders	980	1,000	20	2.04%	10	40	50	Short-term on-the-job training	\$16,646	\$6.20	\$8.90
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	1,350	1,370	20	1.48%	10	70	80	Short-term on-the-job training	\$13,840	\$5.85	\$7.06
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	160	160	0	0.00%	<5	20	20	Short-term on-the-job training	\$14,440	\$6.00	\$7.41
35-3031	Waiters and Waitresses	1,550	1,590	40	2.58%	20	90	110	Short-term on-the-job training	\$17,758	\$5.93	\$9.84
35-3041	Food Servers, Nonrestaurant	120	120	0	0.00%	<5	10	10	Short-term on-the-job training	\$18,790	\$6.66	\$10.22
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	270	280	10	3.70%	10	10	20	Short-term on-the-job training	\$13,644	\$5.95	\$6.87
35-9021	Dishwashers	400	410	10	2.50%	10	20	30	Short-term on-the-job training	\$13,945	\$5.91	\$7.10
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	190	190	0	0.00%	<5	10	10	Short-term on-the-job training	\$15,813	\$6.54	\$8.13
35-9099	Food Preparation and Serving Related Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training			

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37-0000	Building and Grounds Cleaning and Maintenance Occupations	2,550	2,620	70	2.75%	40	50	90		\$21,648	\$7.13	\$12.05
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	110	110	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$34,244	\$12.34	\$18.52
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	40	40	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$39,480	\$14.40	\$21.27
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1,180	1,210	30	2.54%	20	20	40	Short-term on-the-job training	\$22,088	\$7.36	\$12.25
37-2012	Maids and Housekeeping Cleaners	830	850	20	2.41%	10	20	30	Short-term on-the-job training	\$17,374	\$7.01	\$9.02
37-2019	Building Cleaning Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
37-2021	Pest Control Workers	*	*	*	*	10	<5	10	Moderate-term on-the-job training			
37-3011	Landscaping and Groundskeeping Workers	360	370	10	2.78%	10	10	20	Short-term on-the-job training	\$21,077	\$7.24	\$11.58
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
37-3013	Tree Trimmers and Pruners	20	20	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$36,233	\$11.85	\$20.21
37-3019	Grounds Maintenance Workers, All Other	*	*	*	*	10	<5	10	Short-term on-the-job training			
39-0000	Personal Care and Service Occupations	2,040	2,120	80	3.92%	40	50	90		\$19,330	\$6.99	\$10.45
39-1011	Gaming Supervisors	*	*	*	*	<5	<5	<5	Work experience in a related occupation	\$30,736	\$11.65	\$16.34
39-1012	Slot Key Persons	*	*	*	*	10	<5	10	Postsecondary vocational training			
39-1021	First-Line Supervisors/Managers of Personal Service Workers	70	70	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$29,801	\$10.93	\$16.03
39-2011	Animal Trainers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
39-2021	Nonfarm Animal Caretakers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$18,491	\$6.24	\$10.21
39-3011	Gaming Dealers	*	*	*	*	10	<5	10	Postsecondary vocational training			
39-3012	Gaming and Sports Book Writers and Runners	10	10	0	0.00%	<5	<5	<5	Short-term on-the-job training			
39-3019	Gaming Service Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
39-3021	Motion Picture Projectionists	10	10	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$17,124	\$7.05	\$8.82
39-3031	Ushers, Lobby Attendants, and Ticket Takers	50	50	0	0.00%	<5	10	10	Short-term on-the-job training	\$16,986	\$5.97	\$9.27
39-3091	Amusement and Recreation Attendants	180	180	0	0.00%	<5	10	10	Short-term on-the-job training	\$17,601	\$5.99	\$9.70
39-3092	Costume Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	10	10	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$15,864	\$5.98	\$8.45
39-3099	Entertainment Attendants and Related Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
39-4011	Embalmers	10	10	0	0.00%	<5	<5	<5	Postsecondary vocational training			
39-4021	Funeral Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$31,726	\$10.18	\$17.79
39-5011	Barbers	0	0	0	NA	<5	<5	<5	Postsecondary vocational training			
39-5012	Hairdressers, Hairstylists, and Cosmetologists	210	210	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$21,811	\$9.48	\$10.99
39-5092	Manicurists and Pedicurists	10	10	0	0.00%	<5	<5	<5	Postsecondary vocational training			
39-5094	Skin Care Specialists	10	10	0	0.00%	<5	<5	<5	Postsecondary vocational training			
39-6011	Baggage Porters and Bellhops	10	10	0	0.00%	<5	<5	<5	Short-term on-the-job training			
39-6012	Concierges	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
39-6021	Tour Guides and Escorts	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
39-6022	Travel Guides	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
39-6032	Transportation Attendants, Except Flight Attendants and Baggage Porters	10	10	0	0.00%	<5	<5	<5	Short-term on-the-job training			
39-9011	Child Care Workers	*	*	*	*	10	10	20	Short-term on-the-job training	\$17,761	\$7.28	\$9.17
39-9021	Personal and Home Care Aides	530	570	40	7.55%	20	10	30	Short-term on-the-job training	\$18,049	\$7.32	\$9.36
39-9031	Fitness Trainers and Aerobics Instructors	110	110	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$17,515	\$6.80	\$9.23
39-9032	Recreation Workers	220	220	0	0.00%	<5	10	10	Bachelor's degree	\$21,316	\$7.17	\$11.79
39-9041	Residential Advisors	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
39-9099	Personal Care and Service Workers, All Other	20	30	10	50.00%	10	<5	10	Short-term on-the-job training	\$18,766	\$7.68	\$9.69
41-0000	Sales and Related Occupations	6,590	6,530	-60	-0.91%	<5	290	290		\$24,911	\$6.68	\$14.63
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	550	530	-20	-3.64%	<5	10	10	Work experience in a related occupation	\$30,256	\$8.98	\$17.33

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41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	90	90	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$60,379	\$19.68	\$33.70
41-2011	Cashiers	2,370	2,260	-110	-4.64%	<5	150	150	Short-term on-the-job training	\$15,645	\$5.91	\$8.33
41-2012	Gaming Change Persons and Booth Cashiers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$18,287	\$6.57	\$9.90
41-2021	Counter and Rental Clerks	210	210	0	0.00%	<5	10	10	Short-term on-the-job training	\$21,418	\$5.92	\$12.49
41-2022	Parts Salespersons	120	120	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$27,960	\$9.24	\$15.54
41-2031	Retail Salespersons	1,780	1,810	30	1.69%	20	70	90	Short-term on-the-job training	\$22,303	\$6.92	\$12.62
41-3011	Advertising Sales Agents	60	60	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$32,939	\$9.18	\$19.16
41-3021	Insurance Sales Agents	100	100	0	0.00%	<5	<5	<5	Bachelor's degree	\$37,010	\$10.79	\$21.30
41-3031	Securities, Commodities, and Financial Services Sales Agents	40	40	0	0.00%	<5	<5	<5	Bachelor's degree			
41-3041	Travel Agents	20	20	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$27,713	\$9.69	\$15.14
41-3099	Sales Representatives, Services, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$38,627	\$9.08	\$23.32
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	80	80	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$69,691	\$13.71	\$43.40
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	780	800	20	2.56%	10	20	30	Moderate-term on-the-job training	\$42,302	\$11.40	\$24.81
41-9011	Demonstrators and Product Promoters	30	30	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$16,295	\$6.05	\$8.73
41-9021	Real Estate Brokers	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
41-9022	Real Estate Sales Agents	30	30	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$59,168	\$15.98	\$34.68
41-9031	Sales Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	\$77,538	\$26.02	\$42.91
41-9041	Telemarketers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$23,166	\$7.55	\$12.93
41-9091	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	10	10	0	0.00%	<5	<5	<5	Short-term on-the-job training			
41-9099	Sales and Related Workers, All Other	40	50	10	25.00%	10	<5	10	Moderate-term on-the-job training	\$26,135	\$7.73	\$14.98
43-0000	Office and Administrative Support Occupations	10,270	10,220	-50	-0.49%	<5	250	250		\$25,985	\$8.15	\$14.66
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	540	540	0	0.00%	<5	10	10	Work experience in a related occupation	\$39,847	\$12.09	\$22.69
43-2011	Switchboard Operators, Including Answering Service	70	70	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$22,444	\$8.60	\$11.88
43-2021	Telephone Operators	10	10	0	0.00%	<5	<5	<5	Short-term on-the-job training			
43-2099	Communications Equipment Operators, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
43-3011	Bill and Account Collectors	110	120	10	9.09%	10	<5	10	Short-term on-the-job training	\$27,262	\$10.91	\$14.20
43-3021	Billing and Posting Clerks and Machine Operators	220	220	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$26,025	\$10.05	\$13.74
43-3031	Bookkeeping, Accounting, and Auditing Clerks	1,080	1,080	0	0.00%	<5	20	20	Moderate-term on-the-job training	\$24,824	\$7.95	\$13.93
43-3041	Gaming Cage Workers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
43-3051	Payroll and Timekeeping Clerks	100	110	10	10.00%	10	<5	10	Moderate-term on-the-job training	\$28,808	\$10.21	\$15.67
43-3061	Procurement Clerks	30	30	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$25,199	\$10.13	\$13.11
43-3071	Tellers	*	*	*	*	<5	20	20	Short-term on-the-job training	\$20,206	\$7.50	\$10.82
43-4011	Brokerage Clerks	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
43-4021	Correspondence Clerks	10	0	-10	-100.00%	<5	<5	<5	Short-term on-the-job training			
43-4031	Court, Municipal, and License Clerks	*	*	*	*	10	<5	10	Short-term on-the-job training	\$30,969	\$11.84	\$16.41
43-4041	Credit Authorizers, Checkers, and Clerks	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
43-4051	Customer Service Representatives	720	740	20	2.78%	10	10	20	Moderate-term on-the-job training	\$25,630	\$8.52	\$14.22
43-4061	Eligibility Interviewers, Government Programs	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$31,658	\$13.24	\$16.21
43-4071	File Clerks	70	70	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$22,480	\$7.00	\$12.71
43-4081	Hotel, Motel, and Resort Desk Clerks	250	260	10	4.00%	10	10	20	Short-term on-the-job training	\$17,160	\$6.98	\$8.89
43-4111	Interviewers, Except Eligibility and Loan	60	70	10	16.67%	10	<5	10	Short-term on-the-job training	\$23,236	\$9.05	\$12.23
43-4121	Library Assistants, Clerical	80	80	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$18,984	\$5.85	\$10.76
43-4131	Loan Interviewers and Clerks	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$29,270	\$10.09	\$16.06
43-4141	New Accounts Clerks	40	40	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$23,405	\$9.02	\$12.37
43-4151	Order Clerks	140	130	-10	-7.14%	<5	<5	<5	Short-term on-the-job training	\$28,632	\$9.45	\$15.92
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	80	80	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$33,806	\$13.76	\$17.50
43-4171	Receptionists and Information Clerks	520	540	20	3.85%	10	10	20	Short-term on-the-job training	\$20,297	\$7.44	\$10.92

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43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	10	10	0	0.00%	<5	<5	<5	Short-term on-the-job training			
43-4199	Information and Record Clerks, All Other	120	110	-10	-8.33%	<5	<5	<5	Short-term on-the-job training	\$29,802	\$9.14	\$16.92
43-5011	Cargo and Freight Agents	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
43-5021	Couriers and Messengers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
43-5031	Police, Fire, and Ambulance Dispatchers	80	80	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$33,043	\$14.36	\$16.65
43-5032	Dispatchers, Except Police, Fire, and Ambulance	100	100	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$35,723	\$10.76	\$20.38
43-5041	Meter Readers, Utilities	30	30	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$34,568	\$11.18	\$19.34
43-5051	Postal Service Clerks	40	40	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$44,443	\$18.52	\$22.79
43-5052	Postal Service Mail Carriers	240	240	0	0.00%	<5	10	10	Short-term on-the-job training	\$41,011	\$14.51	\$22.32
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	130	130	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$35,266	\$10.00	\$20.43
43-5061	Production, Planning, and Expediting Clerks	150	160	10	6.67%	10	<5	10	Short-term on-the-job training	\$36,411	\$13.90	\$19.31
43-5071	Shipping, Receiving, and Traffic Clerks	330	330	0	0.00%	<5	10	10	Short-term on-the-job training	\$26,846	\$9.18	\$14.77
43-5081	Stock Clerks and Order Fillers	820	760	-60	-7.32%	<5	40	40	Short-term on-the-job training	\$19,381	\$6.41	\$10.77
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	50	50	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$24,507	\$8.85	\$13.25
43-6011	Executive Secretaries and Administrative Assistants	660	670	10	1.52%	10	10	20	Moderate-term on-the-job training	\$31,795	\$11.31	\$17.27
43-6012	Legal Secretaries	*	*	*	*	<5	<5	<5	Postsecondary vocational training	\$30,488	\$10.74	\$16.62
43-6013	Medical Secretaries	100	100	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$24,856	\$9.53	\$13.16
43-6014	Secretaries, Except Legal, Medical, and Executive	1,020	1,010	-10	-0.98%	<5	20	20	Moderate-term on-the-job training	\$24,566	\$8.70	\$13.36
43-9011	Computer Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$30,681	\$12.98	\$15.64
43-9021	Data Entry Keyers	80	70	-10	-12.50%	<5	<5	<5	Moderate-term on-the-job training	\$21,850	\$8.58	\$11.47
43-9022	Word Processors and Typists	80	70	-10	-12.50%	<5	<5	<5	Moderate-term on-the-job training	\$25,998	\$8.06	\$14.72
43-9031	Desktop Publishers	10	10	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$30,129	\$13.23	\$15.11
43-9041	Insurance Claims and Policy Processing Clerks	60	60	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$24,792	\$9.61	\$13.07
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
43-9061	Office Clerks, General	1,040	1,050	10	0.96%	10	20	30	Short-term on-the-job training	\$20,406	\$6.72	\$11.36
43-9071	Office Machine Operators, Except Computer	30	30	0	0.00%	<5	<5	<5	Short-term on-the-job training			
43-9081	Proofreaders and Copy Markers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
43-9111	Statistical Assistants	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
43-9199	Office and Administrative Support Workers, All Other	140	140	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$23,372	\$7.51	\$13.10
45-0000	Farming, Fishing, and Forestry Occupations	230	230	0	0.00%	<5	10	10		\$28,545	\$11.35	\$14.91
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
45-2011	Agricultural Inspectors	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
45-2021	Animal Breeders	0	0	0	NA	<5	<5	<5	Associate Degree			
45-2041	Graders and Sorters, Agricultural Products	20	20	0	0.00%	<5	<5	<5	Work experience in a related occupation			
45-2091	Agricultural Equipment Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
45-2093	Farmworkers, Farm and Ranch Animals	20	20	0	0.00%	<5	<5	<5	Short-term on-the-job training			
45-2099	Agricultural Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
45-4011	Forest and Conservation Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
45-4021	Fallers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$30,803	\$12.63	\$15.90
45-4022	Logging Equipment Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
45-4023	Log Graders and Scalers	30	30	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$28,598	\$11.65	\$14.80
45-4029	Logging Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-0000	Construction and Extraction Occupations	3,480	3,620	140	4.02%	70	60	130		\$36,519	\$11.75	\$20.46
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	250	260	10	4.00%	10	<5	10	Work experience in a related occupation	\$53,391	\$19.00	\$29.00
47-2021	Brickmasons and Blockmasons	*	*	*	*	10	<5	10	Long-term on-the-job training			
47-2022	Stonemasons	0	0	0	NA	<5	<5	<5	Long-term on-the-job training			

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47-2031	Carpenters	910	950	40	4.40%	20	10	30	Long-term on-the-job training	\$31,279	\$11.39	\$16.86
47-2041	Carpet Installers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
47-2043	Floor Sanders and Finishers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-2044	Tile and Marble Setters	10	10	0	0.00%	<5	<5	<5	Long-term on-the-job training			
47-2051	Cement Masons and Concrete Finishers	100	110	10	10.00%	10	<5	10	Moderate-term on-the-job training	\$35,790	\$12.20	\$19.71
47-2053	Terrazzo Workers and Finishers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
47-2061	Construction Laborers	420	430	10	2.38%	10	10	20	Moderate-term on-the-job training	\$31,378	\$9.22	\$18.02
47-2071	Paving, Surfacing, and Tamping Equipment Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-2072	Pile-Driver Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-2073	Operating Engineers and Other Construction Equipment Operators	280	280	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$42,434	\$13.37	\$23.92
47-2081	Drywall and Ceiling Tile Installers	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$23,567	\$8.54	\$12.73
47-2082	Tapers	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$31,971	\$12.00	\$17.05
47-2111	Electricians	280	280	0	0.00%	<5	10	10	Long-term on-the-job training	\$39,871	\$14.24	\$21.64
47-2121	Glaziers	10	10	0	0.00%	<5	<5	<5	Long-term on-the-job training			
47-2131	Insulation Workers, Floor, Ceiling, and Wall	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$23,831	\$9.93	\$12.22
47-2132	Insulation Workers, Mechanical	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-2141	Painters, Construction and Maintenance	80	90	10	12.50%	10	<5	10	Moderate-term on-the-job training	\$31,610	\$7.42	\$19.09
47-2142	Paperhangers	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
47-2151	Pipelayers	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$45,496	\$17.07	\$24.27
47-2152	Plumbers, Pipefitters, and Steamfitters	180	190	10	5.56%	10	<5	10	Long-term on-the-job training	\$45,422	\$16.99	\$24.26
47-2161	Plasterers and Stucco Masons	10	10	0	0.00%	<5	<5	<5	Long-term on-the-job training			
47-2171	Reinforcing Iron and Rebar Workers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
47-2181	Roofers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-2211	Sheet Metal Workers	90	90	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$35,726	\$10.77	\$20.38
47-2221	Structural Iron and Steel Workers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	20	20	0	0.00%	<5	<5	<5	Short-term on-the-job training			
47-3012	Helpers--Carpenters	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$25,848	\$11.41	\$12.93
47-3013	Helpers--Electricians	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$20,239	\$9.65	\$9.77
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	10	10	0	0.00%	<5	<5	<5	Short-term on-the-job training			
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	20	20	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$23,230	\$8.41	\$12.55
47-3016	Helpers--Roofers	0	0	0	NA	<5	<5	<5	Short-term on-the-job training			
47-3019	Helpers, Construction Trades, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
47-4011	Construction and Building Inspectors	40	40	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$45,842	\$16.24	\$24.94
47-4021	Elevator Installers and Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
47-4031	Fence Erectors	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
47-4041	Hazardous Materials Removal Workers	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
47-4051	Highway Maintenance Workers	260	270	10	3.85%	10	<5	10	Moderate-term on-the-job training	\$33,257	\$14.83	\$16.57
47-4061	Rail-Track Laying and Maintenance Equipment Operators	*	*	*	*	10	<5	10	Moderate-term on-the-job training			
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$31,009	\$12.61	\$16.06
47-4099	Construction and Related Workers, All Other	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
47-5013	Service Unit Operators, Oil, Gas, and Mining	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-5021	Earth Drillers, Except Oil and Gas	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-5031	Explosives Workers, Ordnance Handling Experts, and Blasters	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
47-5041	Continuous Mining Machine Operators	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
47-5051	Rock Splitters, Quarry	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
47-5071	Roustabouts, Oil and Gas	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-5081	Helpers--Extraction Workers	0	0	0	NA	<5	<5	<5	Short-term on-the-job training			

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49-0000	Installation, Maintenance, and Repair Occupations	2,700	2,780	80	2.96%	40	60	100		\$35,221	\$11.18	\$19.81
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	220	230	10	4.55%	10	10	20	Work experience in a related occupation	\$47,385	\$14.95	\$26.70
49-2011	Computer, Automated Teller, and Office Machine Repairers	20	20	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$28,666	\$9.18	\$16.08
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	\$46,386	\$14.83	\$26.04
49-2091	Avionics Technicians	0	0	0	NA	<5	<5	<5	Postsecondary vocational training			
49-2092	Electric Motor, Power Tool, and Related Repairers	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
49-2098	Security and Fire Alarm Systems Installers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	\$30,787	\$10.04	\$17.18
49-3011	Aircraft Mechanics and Service Technicians	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
49-3021	Automotive Body and Related Repairers	90	90	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$29,840	\$11.60	\$15.72
49-3022	Automotive Glass Installers and Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
49-3023	Automotive Service Technicians and Mechanics	400	400	0	0.00%	<5	10	10	Postsecondary vocational training	\$30,660	\$10.94	\$16.64
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	150	150	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$32,692	\$11.38	\$17.88
49-3041	Farm Equipment Mechanics	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	60	60	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$37,759	\$14.90	\$19.78
49-3043	Rail Car Repairers	*	*	*	*	10	<5	10	Long-term on-the-job training			
49-3051	Motorboat Mechanics	*	*	*	*	<5	<5	<5	Long-term on-the-job training	\$30,945	\$11.37	\$16.63
49-3052	Motorcycle Mechanics	20	20	0	0.00%	<5	<5	<5	Long-term on-the-job training			
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$34,399	\$11.67	\$18.97
49-3091	Bicycle Repairers	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
49-3092	Recreational Vehicle Service Technicians	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
49-3093	Tire Repairers and Changers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$21,020	\$9.00	\$10.66
49-9011	Mechanical Door Repairers	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$50,913	\$21.73	\$25.85
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	110	120	10	9.09%	10	<5	10	Long-term on-the-job training	\$40,665	\$13.70	\$22.47
49-9031	Home Appliance Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	\$31,257	\$13.96	\$15.56
49-9041	Industrial Machinery Mechanics	170	180	10	5.88%	10	<5	10	Long-term on-the-job training	\$37,291	\$12.53	\$20.63
49-9042	Maintenance and Repair Workers, General	710	720	10	1.41%	10	10	20	Long-term on-the-job training	\$32,301	\$10.95	\$17.82
49-9043	Maintenance Workers, Machinery	*	*	*	*	10	<5	10	Short-term on-the-job training	\$29,816	\$11.58	\$15.71
49-9044	Millwrights	50	50	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$47,136	\$14.76	\$26.61
49-9051	Electrical Power-Line Installers and Repairers	70	70	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$51,880	\$22.02	\$26.40
49-9052	Telecommunications Line Installers and Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
49-9062	Medical Equipment Repairers	*	*	*	*	<5	<5	<5	Associate degree			
49-9063	Musical Instrument Repairers and Tuners	0	0	0	NA	<5	<5	<5	Long-term on-the-job training			
49-9069	Precision Instrument and Equipment Repairers, All Other	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
49-9094	Locksmiths and Safe Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
49-9095	Manufactured Building and Mobile Home Installers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			

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49-9096	Riggers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
49-9097	Signal and Track Switch Repairers	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
49-9098	Helpers-Installation, Maintenance, and Repair Workers	70	70	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$17,938	\$5.86	\$10.01
49-9099	Installation, Maintenance, and Repair Workers, All Other	70	80	10	14.29%	10	<5	10	Moderate-term on-the-job training	\$37,861	\$13.60	\$20.50
51-0000	Production Occupations	8,460	8,480	20	0.24%	10	200	210		\$29,250	\$8.58	\$16.80
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	580	590	10	1.72%	10	10	20	Work experience in a related occupation	\$45,157	\$14.13	\$25.50
51-2021	Coil Winders, Tapers, and Finishers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
51-2022	Electrical and Electronic Equipment Assemblers	70	70	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$35,709	\$10.47	\$20.52
51-2023	Electromechanical Equipment Assemblers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
51-2031	Engine and Other Machine Assemblers	30	30	0	0.00%	<5	<5	<5	Short-term on-the-job training			
51-2041	Structural Metal Fabricators and Fitters	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-2091	Fiberglass Laminators and Fabricators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-2092	Team Assemblers	1,260	1,300	40	3.17%	20	30	50	Moderate-term on-the-job training	\$26,415	\$8.15	\$14.97
51-2099	Assemblers and Fabricators, All Other	130	130	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$28,984	\$8.33	\$16.74
51-3011	Bakers	110	110	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$22,783	\$8.14	\$12.36
51-3021	Butchers and Meat Cutters	110	100	-10	-9.09%	<5	<5	<5	Long-term on-the-job training	\$32,353	\$10.29	\$18.19
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
51-3023	Slaughterers and Meat Packers	100	110	10	10.00%	10	<5	10	Moderate-term on-the-job training			
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
51-3092	Food Batchmakers	80	80	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$26,001	\$8.56	\$14.47
51-3093	Food Cooking Machine Operators and Tenders	30	30	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$18,653	\$7.23	\$9.84
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	110	110	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$38,695	\$15.84	\$19.99
51-4012	Numerical Tool and Process Control Programmers	10	10	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$41,803	\$17.34	\$21.48
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$27,550	\$10.51	\$14.62
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	100	100	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$30,434	\$8.99	\$17.45
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$31,601	\$12.06	\$16.76
51-4041	Machinists	280	290	10	3.57%	10	10	20	Long-term on-the-job training	\$45,681	\$13.20	\$26.34
51-4051	Metal-Refining Furnace Operators and Tenders	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
51-4052	Pourers and Casters, Metal	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
51-4061	Model Makers, Metal and Plastic	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
51-4062	Patternmakers, Metal and Plastic	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
51-4071	Foundry Mold and Coremakers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	180	180	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$26,381	\$9.47	\$14.29
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	70	80	10	14.29%	10	<5	10	Moderate-term on-the-job training	\$31,520	\$10.79	\$17.34
51-4111	Tool and Die Makers	40	40	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$39,000	\$16.29	\$19.98
51-4121	Welders, Cutters, Solderers, and Brazers	210	220	10	4.76%	10	10	20	Postsecondary vocational training	\$36,288	\$13.89	\$19.23

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51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4192	Lay-Out Workers, Metal and Plastic	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$22,174	\$9.98	\$11.00
51-4194	Tool Grinders, Filers, and Sharpeners	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$28,330	\$11.46	\$14.70
51-4199	Metal Workers and Plastic Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-5011	Bindery Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-5012	Bookbinders	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
51-5021	Job Printers	30	30	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$37,471	\$14.51	\$19.77
51-5022	Prepress Technicians and Workers	30	30	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$20,963	\$7.92	\$11.16
51-5023	Printing Machine Operators	100	100	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$31,417	\$10.56	\$17.38
51-6011	Laundry and Dry-Cleaning Workers	120	120	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$19,245	\$6.91	\$10.43
51-6021	Pressers, Textile, Garment, and Related Materials	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
51-6031	Sewing Machine Operators	120	100	-20	-16.67%	<5	<5	<5	Moderate-term on-the-job training	\$19,560	\$7.83	\$10.19
51-6041	Shoe and Leather Workers and Repairers	10	10	0	0.00%	<5	<5	<5	Long-term on-the-job training			
51-6052	Tailors, Dressmakers, and Custom Sewers	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	0	0	0	NA	<5	<5	<5	Long-term on-the-job training			
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
51-6092	Fabric and Apparel Patternmakers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-6093	Upholsterers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-6099	Textile, Apparel, and Furnishings Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
51-7011	Cabinetmakers and Bench Carpenters	*	*	*	*	<5	10	10	Long-term on-the-job training	\$26,954	\$9.68	\$14.60
51-7021	Furniture Finishers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-7031	Model Makers, Wood	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	430	420	-10	-2.33%	<5	10	10	Moderate-term on-the-job training	\$26,455	\$9.61	\$14.27
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	520	520	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$27,908	\$10.16	\$15.04
51-7099	Woodworkers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$22,195	\$8.52	\$11.75
51-8011	Nuclear Power Reactor Operators	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-8012	Power Distributors and Dispatchers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-8013	Power Plant Operators	30	30	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$48,066	\$17.30	\$26.01
51-8021	Stationary Engineers and Boiler Operators	30	20	-10	-33.33%	<5	<5	<5	Long-term on-the-job training	\$30,001	\$9.77	\$16.75
51-8031	Water and Liquid Waste Treatment Plant and System Operators	*	*	*	*	<5	<5	<5	Long-term on-the-job training	\$17,902	\$7.63	\$9.10
51-8091	Chemical Plant and System Operators	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-8092	Gas Plant Operators	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-8099	Plant and System Operators, All Other	10	10	0	0.00%	<5	<5	<5	Long-term on-the-job training			
51-9011	Chemical Equipment Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			

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51-9022	Grinding and Polishing Workers, Hand	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$25,200	\$10.21	\$13.07
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$38,539	\$15.25	\$20.17
51-9031	Cutters and Trimmers, Hand	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	*	*	*	*	10	<5	10	Moderate-term on-the-job training			
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	310	320	10	3.23%	10	10	20	Moderate-term on-the-job training	\$31,007	\$9.42	\$17.65
51-9071	Jewelers and Precious Stone and Metal Workers	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
51-9081	Dental Laboratory Technicians	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-9083	Ophthalmic Laboratory Technicians	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
51-9111	Packaging and Filling Machine Operators and Tenders	380	380	0	0.00%	<5	10	10	Short-term on-the-job training	\$28,168	\$9.32	\$15.66
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	110	110	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$31,306	\$10.36	\$17.40
51-9122	Painters, Transportation Equipment	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-9123	Painting, Coating, and Decorating Workers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
51-9131	Photographic Process Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-9132	Photographic Processing Machine Operators	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
51-9191	Cementing and Gluing Machine Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-9193	Cooling and Freezing Equipment Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-9194	Etchers and Engravers	10	10	0	0.00%	<5	<5	<5	Long-term on-the-job training			
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
51-9196	Paper Goods Machine Setters, Operators, and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-9197	Tire Builders	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
51-9198	Helpers--Production Workers	550	560	10	1.82%	10	20	30	Short-term on-the-job training	\$20,915	\$8.00	\$11.09
51-9199	Production Workers, All Other	160	150	-10	-6.25%	<5	<5	<5	Moderate-term on-the-job training	\$28,440	\$9.68	\$15.67
53-0000	Transportation and Material Moving Occupations	6,780	6,940	160	2.36%	80	150	230		\$28,599	\$8.17	\$16.54
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	110	120	10	9.09%	10	<5	10	Work experience in a related occupation	\$40,867	\$12.08	\$23.43
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	130	140	10	7.69%	10	<5	10	Work experience in a related occupation	\$47,174	\$12.33	\$27.85
53-2011	Airline Pilots, Copilots, and Flight Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree			
53-2012	Commercial Pilots	10	10	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$56,490		
53-2021	Air Traffic Controllers	10	10	0	0.00%	<5	<5	<5	Bachelor's degree			
53-2022	Airfield Operations Specialists	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
53-3021	Bus Drivers, Transit and Intercity	90	90	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$29,730	\$8.76	\$17.06
53-3022	Bus Drivers, School	300	310	10	3.33%	10	10	20	Short-term on-the-job training	\$21,359	\$6.44	\$12.19
53-3031	Driver/Sales Workers	190	200	10	5.26%	10	<5	10	Short-term on-the-job training	\$18,955	\$5.80	\$10.77
53-3032	Truck Drivers, Heavy and Tractor-Trailer	1,860	1,910	50	2.69%	30	30	60	Moderate-term on-the-job training	\$36,495	\$12.29	\$20.18
53-3033	Truck Drivers, Light or Delivery Services	490	500	10	2.04%	10	<5	10	Short-term on-the-job training	\$27,038	\$7.64	\$15.68
53-3041	Taxi Drivers and Chauffeurs	90	90	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$20,624	\$7.77	\$10.99
53-3099	Motor Vehicle Operators, All Other	30	30	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$16,752	\$5.95	\$9.10
53-4011	Locomotive Engineers	60	90	30	50.00%	20	<5	20	Work experience in a related occupation			
53-4021	Railroad Brake, Signal, and Switch Operators	20	40	20	100.00%	10	<5	10	Moderate-term on-the-job training			
53-4031	Railroad Conductors and Yardmasters	60	100	40	66.67%	20	<5	20	Work experience in a related occupation			
53-4099	Rail Transportation Workers, All Other	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			

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53-5011	Sailors and Marine Oilers	30	20	-10	-33.33%	<5	<5	<5	Short-term on-the-job training			
53-5021	Captains, Mates, and Pilots of Water Vessels	20	20	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$42,718	\$13.64	\$23.99
53-5031	Ship Engineers	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
53-6011	Bridge and Lock Tenders	*	*	*	*	10	<5	10	Short-term on-the-job training			
53-6021	Parking Lot Attendants	30	30	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$19,972	\$6.68	\$11.06
53-6031	Service Station Attendants	30	30	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$16,920	\$6.47	\$8.97
53-6041	Traffic Technicians	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
53-6051	Transportation Inspectors	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
53-6099	Transportation Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
53-7011	Conveyor Operators and Tenders	20	20	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$32,167	\$12.67	\$16.86
53-7021	Crane and Tower Operators	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
53-7031	Dredge Operators	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
53-7032	Excavating and Loading Machine and Dragline Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
53-7033	Loading Machine Operators, Underground Mining	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
53-7041	Hoist and Winch Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
53-7051	Industrial Truck and Tractor Operators	590	590	0	0.00%	<5	10	10	Short-term on-the-job training	\$30,377	\$10.93	\$16.44
53-7061	Cleaners of Vehicles and Equipment	180	180	0	0.00%	<5	10	10	Short-term on-the-job training	\$20,786	\$7.16	\$11.41
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1,510	1,510	0	0.00%	<5	60	60	Short-term on-the-job training	\$21,671	\$7.22	\$12.02
53-7063	Machine Feeders and Offbearers	210	210	0	0.00%	<5	10	10	Short-term on-the-job training	\$22,186	\$8.63	\$11.69
53-7064	Packers and Packagers, Hand	530	510	-20	-3.77%	<5	10	10	Short-term on-the-job training	\$21,146	\$6.71	\$11.89
53-7072	Pump Operators, Except Wellhead Pumps	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
53-7081	Refuse and Recyclable Material Collectors	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
53-7121	Tank Car, Truck, and Ship Loaders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
53-7199	Material Moving Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$22,571	\$9.71	\$11.42

Footnotes:

- (1) **Employment** is rounded to the nearest ten, with employment less than five rounded to zero. Totals may not add due to rounding. Employment is a count of jobs rather than people, and includes all part- and full-time nonfarm jobs. Employment does not include jobs among self-employed and unpaid family workers.
- (2) **Replacements** are an estimate of the number of job openings expected because people have permanently left a given occupation. Permanent exits occur if someone dies, retires, or otherwise leaves the labor force. Permanent exits also include openings resulting from someone permanently changing occupations. For example, a person leaves their job as a cashier and becomes a truck driver. Openings resulting from people changing employers, but staying in the same occupation are not included.
- (3) **Total openings** are the sum of new jobs and replacements. Total openings are an indication of how many new people are needed to enter a given occupation.
- (4) **Typical Education and Training Path** gives a general indication of the education or training typically needed in the occupation. There may be other pathways into the occupation, as well as additional educational, training, or licensing requirements.
Short-Term On-the-Job Training: These occupations require no more than one month of on-the-job training and the training usually happens at the workplace.
Moderate-Term On-the-Job Training: Training for these occupations usually occurs at the workplace and lasts from one to twelve months.
Long-Term On-the-Job Training: These occupations require more than one year of on-the-job training, or combined work experience and classroom instruction.
Work Experience in Related Occupation: Occupations in this category require skills and experience gained in other jobs.
Postsecondary Vocational Training: These formal training programs last from a few weeks to more than a year, and are offered at vocational or technical schools.
Associate Degree: This degree requires two years of full-time academic work beyond high school.
Bachelor's Degree: This degree requires four or five years of full-time academic work at a college or university.
Master's Degree: This degree requires one to two years of full-time study beyond a bachelor's degree.

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Doctoral Degree: This degree usually requires at least three years of full-time study beyond a bachelor's degree.

First Professional Degree: These degrees typically require at least two years of full-time study beyond a bachelor's degree.

Bachelor's or higher degree, plus work experience: These occupations require a bachelor's or higher degree, in addition to work experience in a related non-managerial position.

- (5) **Average Annual Salary:** An occupation's average hourly wage is calculated by summing the wages of all employees in a given occupation and then dividing by the total number of employees in that occupation. In most cases, the annual average salary is equal to the average hourly wage multiplied by 2,080.
- (6) **Entry Level Wage** is the average of the lower third of wages.
- (7) **Experienced Wage** is the average of the upper two-thirds of wages.
- (8) Either a bachelor's or an associate degree are accepted in this occupations. It depends on the specifics of the position and the employer.

Information is derived using the 2005 OES Survey, 2005 QCEW and 2005 CES (3/05 Benchmark) data. Unpublished data from the US Bureau of Labor Statistics and US Census Bureau was also used.

To the extent possible, the projections take into account anticipated changes in Wisconsin's economy during 2006 and 2007. It is important to note that unanticipated events may affect the accuracy of these projections.

Source: Office of Economic Advisors, Wisconsin Department of Workforce Development
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